

**Report of  
Endangered, Threatened, and Special Concern  
Plants, Animals, and Natural Communities  
for Logan County, Kentucky**

**Kentucky State Nature Preserves  
Commission  
801 Schenkel Lane  
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**[www.naturepreserves.ky.gov](http://www.naturepreserves.ky.gov)**

# Kentucky State Nature Preserves Commission

## Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

### STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none    E = endangered    T = threatened    S = special concern    H = historic    X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none    C = candidate    LT = listed as threatened    LE = listed as endangered

SOMC = Species of Management Concern

### RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

### COUNT DATA FIELDS

# OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

Kentucky State Nature Preserves Commission  
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internet: [www.naturepreserves.ky.gov](http://www.naturepreserves.ky.gov)

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Logan	Vascular Plants	<i>Adiantum capillus-veneris</i>	Southern Maidenhair-fern	T /	G5 / S2	1	0	0	0	0
Logan	Vascular Plants	<i>Amianthium muscitoxicum</i>	Fly Poison	T /	G4G5 / S1S2	0	1	0	0	0
Logan	Vascular Plants	<i>Aureolaria patula</i>	Spreading False Foxglove	S /	G3 / S3	3	0	0	0	0
Logan	Vascular Plants	<i>Baptisia australis</i> var. <i>minor</i>	Blue Wild Indigo	S /	G5T5 / S2S3	1	1	0	0	0
Logan	Vascular Plants	<i>Bouteloua curtipendula</i>	Side-oats Grama	S /	G5 / S3?	6	0	0	0	0
Logan	Vascular Plants	<i>Carex gigantea</i>	Large Sedge	T /	G4 / S2	1	0	0	0	0
Logan	Vascular Plants	<i>Cheilanthes alabamensis</i>	Alabama Lipfern	H /	G4G5 / SH	0	1	0	0	0
Logan	Vascular Plants	<i>Dalea purpurea</i>	Purple Prairie-clover	S /	G5 / S3?	4	0	0	0	0
Logan	Vascular Plants	<i>Delphinium carolinianum</i>	Carolina Larkspur	T /	G5 / S1S2	4	2	0	2	0
Logan	Vascular Plants	<i>Dodecatheon frenchii</i>	French's Shooting Star	S /	G3 / S3	0	1	0	0	0
Logan	Vascular Plants	<i>Fimbristylis puberula</i>	Hairy Fimbristylis	T /	G5 / S2	2	0	0	0	0
Logan	Vascular Plants	<i>Forestiera ligustrina</i>	Upland Privet	T /	G4G5 / S2S3	5	0	0	0	0
Logan	Vascular Plants	<i>Gentiana puberulenta</i>	Prairie Gentian	E /	G4G5 / S1	2	0	0	0	0
Logan	Vascular Plants	<i>Isoetes butleri</i>	Butler's Quillwort	E /	G4 / S1	1	0	0	0	0
Logan	Vascular Plants	<i>Juncus filipendulus</i>	Ringseed Rush	T /	G5 / S2?	0	1	0	0	0
Logan	Vascular Plants	<i>Leavenworthia torulosa</i>	Necklace Gladecress	T /	G4 / S2	2	2	0	1	0
Logan	Vascular Plants	<i>Malvastrum hispidum</i>	Hispid Falsemallow	T /	G3G5 / S2?	1	1	0	0	0
Logan	Vascular Plants	<i>Muhlenbergia cuspidata</i>	Plains Muhly	T /	G4 / S2	1	0	0	0	0
Logan	Vascular Plants	<i>Muhlenbergia glabrifloris</i>	Hair Grass	S /	G4? / S2S3	1	0	0	0	0
Logan	Vascular Plants	<i>Oenothera triloba</i>	Stemless Evening-primrose	T /	G4 / S1S2	2	0	0	0	0
Logan	Vascular Plants	<i>Onosmodium molle</i>	Soft-hairy False-gromwell	H /	G4G5 / SH	0	0	0	1	0
Logan	Vascular Plants	<i>Prenanthes aspera</i>	Rough Rattlesnake-root	E /	G4? / S1	1	1	0	0	0
Logan	Vascular Plants	<i>Silphium pinnatifidum</i>	Tansy Rosinweed	S /	G3Q / S3	4	0	0	0	0
Logan	Vascular Plants	<i>Symphotrichum pratense</i>	Barrens Silky Aster	S /	G4? / S3	1	0	0	0	0
Logan	Vascular Plants	<i>Symphotrichum priceae</i>	White Heath Aster	T /	G3G5 / S2	1	0	0	1	0
Logan	Vascular Plants	<i>Talinum calcaricum</i>	Limestone Fameflower	E /	G3 / S1	1	0	0	0	0
Logan	Vascular Plants	<i>Viola septemloba</i> var. <i>egglestonii</i>	Eggleston's Violet	S /	G4 / S3	1	0	0	0	0
Logan	Aquatic Snails	<i>Leptoxis praerosa</i>	Onyx Rocksnail	S / SOMC	G5 / S3S4	1	0	0	0	0
Logan	Aquatic Snails	<i>Pleurocera curta</i>	Shortspire Hornsnail	S / SOMC	G2 / S2	0	0	1	0	0

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Logan	Terrestrial Snails	<i>Rabdotus dealbatus</i>	Whitewashed Rabdotus	T /	G5 / S1S2	3	3	0	0	0
Logan	Freshwater Mussels	<i>Alasmidonta marginata</i>	Elktoe	T / SOMC	G4 / S2	0	1	2	0	0
Logan	Freshwater Mussels	<i>Epioblasma triquetra</i>	Snuffbox	E / SOMC	G3 / S1	0	1	2	0	0
Logan	Freshwater Mussels	<i>Lexingtonia dolabelloides</i>	Slabside Pearlymussel	X / C	G2 / SX	0	0	0	2	0
Logan	Freshwater Mussels	<i>Pegias fabula</i>	Littlewing Pearlymussel	E / LE	G1 / S1	1	1	1	0	0
Logan	Freshwater Mussels	<i>Pleurobema oviforme</i>	Tennessee Clubshell	E / SOMC	G2G3 / S1	1	1	5	0	0
Logan	Freshwater Mussels	<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	T / SOMC	G3G4T3 / S2	2	0	4	0	0
Logan	Freshwater Mussels	<i>Toxolasma lividus</i>	Purple Lilliput	E / SOMC	G2 / S1	1	2	3	1	0
Logan	Freshwater Mussels	<i>Villosa lienosa</i>	Little Spectaclecase	S /	G5 / S3S4	0	1	0	0	0
Logan	Freshwater Mussels	<i>Villosa ortmanni</i>	Kentucky Creekshell	T / SOMC	G2 / S2	3	0	1	1	0
Logan	Freshwater Mussels	<i>Villosa vanuxemensis vanuxemensis</i>	Mountain creekshell	T /	G4T4 / S2	7	0	6	0	0
Logan	Crustaceans	<i>Orconectes pellucidus</i>	Mammoth Cave Crayfish	S / SOMC	G4 / S3	1	1	0	0	0
Logan	Crustaceans	<i>Orconectes ronaldi</i>	A Crayfish	T /	G3 / S2S3	3	0	0	0	0
Logan	Insects	<i>Pseudanophthalmus transfluvialis</i>	A Cave Obligate Beetle	S /	G1G2 / S1S2	0	0	0	0	1
Logan	Fishes	<i>Erimystax insignis</i>	Blotched Chub	E / SOMC	G4 / S1	6	0	0	0	0
Logan	Fishes	<i>Etheostoma cinereum</i>	Ashy Darter	S / SOMC	G2G3 / S3	0	1	0	0	0
Logan	Fishes	<i>Etheostoma microlepidum</i>	Smallscale Darter	E / SOMC	G2G3 / S1	4	0	0	0	0
Logan	Fishes	<i>Hybopsis amnis</i>	Pallid Shiner	E / SOMC	G4 / S1	0	1	0	0	0
Logan	Fishes	<i>Ichthyomyzon castaneus</i>	Chestnut Lamprey	S /	G4 / S2	0	1	0	0	0
Logan	Fishes	<i>Lepomis miniatus</i>	Redspotted Sunfish	T /	G5 / S2	4	0	0	0	0
Logan	Fishes	<i>Noturus exilis</i>	Slender Madtom	E /	G5 / S1	1	1	0	0	0
Logan	Amphibians	<i>Hyla gratiosa</i>	Barking Treefrog	S /	G5 / S3	15	0	0	0	0
Logan	Reptiles	<i>Nerodia erythrogaster neglecta</i>	Copperbelly Water Snake	S / SOMC	G5T3 / S3	1	0	0	0	0
Logan	Reptiles	<i>Thamnophis sauritus sauritus</i>	Eastern Ribbon Snake	S /	G5T5 / S3	1	1	0	0	0
Logan	Breeding Birds	<i>Aimophila aestivalis</i>	Bachman's Sparrow	E / SOMC	G3 / S1B	1	0	0	0	0
Logan	Breeding Birds	<i>Circus cyaneus</i>	Northern Harrier	T /	G5 / S1S2B,S4N	1	0	0	0	0

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Logan	Breeding Birds	<i>Tyto alba</i>	Barn Owl	S /	G5 / S3	1	0	0	0	0
Logan	Mammals	<i>Myotis grisescens</i>	Gray Myotis	T / LE	G3 / S2	1	0	0	0	0
Logan	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	0	1	0	0	0
Logan	Communities	<i>Depression swamp</i>		/	GNR / S2	0	0	0	1	0
Logan	Communities	<i>Limestone barrens</i>		/	GNR / S2	2	0	0	0	0
Logan	Communities	<i>Limestone prairie</i>		/	GNR / S1	1	0	0	0	0
Logan	Communities	<i>Limestone slope glade</i>		/	GNR / S2S3	3	0	0	0	0
Logan	Communities	<i>Sinkhole/depression pond</i>		/	GNR / S2S3	1	0	0	0	0
<b>Logan County Total:</b>						<b>112</b>	<b>28</b>	<b>25</b>	<b>10</b>	<b>1</b>